Abstract

In a power output apparatus of the invention, a power distribution integration mechanism 30 has a first planetary gear P1 and a second planetary gear P2. A sun gear 31 of the first planetary gear P1 is linked to a motor MG1, whereas a carrier 34 of the first planetary gear P1 and a ring gear 37 of the second planetary gear P2 are linked to an engine EG1. A ring gear 32 of the first planetary gear P1 and a carrier 39 of the second planetary gear P2 are linked to an engine EG2, whereas a sun gear 36 of the second planetary gear P2 is linked to a motor MG2 and to a driveshaft 65. The power output apparatus of the invention selects an adequate drive pattern or drive mode among a first drive pattern, a second drive pattern, a third drive pattern, and a motor drive mode to enable efficient operation in response to a driver's request. In the first drive pattern, the power of the engine EG2 is output to the driveshaft 65. In the second drive pattern, the power of the engine EG1 is output to the driveshaft 65. In the third drive pattern, the powers of both the engines EG1 and EG2 are output to the driveshaft 65. In the motor drive mode, while both the engines EG1 and EG2 stop their operations, the power of the motor MG2 is output to the driveshaft 65.